

**Lampiran I**  
**Report of Surface Roughness Tester**

**2 Cm Anodisasi**

-- surfcom120A ver2.2 --  
<ZEISS-TSK>

ID. = 1338  
COMMENT =  
DATE = 11.23.60  
TIME = 3:48:49

ROUGHNESS  
CUTOFF = 0.08 mm  
FILTER = 2CR  
ILT COR = FLAT-ML  
LENGTH = 5.00 mm  
EAS.-MAG = 2000  
POLARITY = POSITIVE

a = 6.46 μm  
max = 10.62 μm  
z = 4.90 μm

ROUGHNESS CURVE  
-MAG = 20  
-MAG = 2000  
-DIV = 500 μm/10mm  
-DIV = 5 μm/10mm



**3 Cm Anodisasi**

-- surfcom120A ver2.2 --  
<ZEISS-TSK>

ID. = 1339  
COMMENT =  
DATE = 11.23.60  
TIME = 3:50:18

ROUGHNESS  
CUTOFF = 0.08 mm  
FILTER = 2CR  
ILT COR = FLAT-ML  
LENGTH = 5.00 mm  
EAS.-MAG = 2000  
POLARITY = POSITIVE

a = 10.54 μm  
max = 15.60 μm  
z = 3.90 μm

ROUGHNESS CURVE  
-MAG = 20  
-MAG = 2000  
-DIV = 500 μm/10mm  
-DIV = 5 μm/10mm



**4 Cm Anodisasi**

-- surfcom120A ver2.2 --  
<ZEISS-TSK>

ID. = 1340  
COMMENT =  
DATE = 11.23.60  
TIME = 3:51:36

ROUGHNESS  
CUTOFF = 0.08 mm  
FILTER = 2CR  
ILT COR = FLAT-ML  
LENGTH = 5.00 mm  
EAS.-MAG = 2000  
POLARITY = POSITIVE

a = 0.48 μm  
max = 5.41 μm  
z = 3.86 μm

ROUGHNESS CURVE  
-MAG = 20  
-MAG = 2000  
-DIV = 500 μm/10mm  
-DIV = 5 μm/10mm



## Lampiran II

### Report of Surface Roughness Tester

#### Raw Material

--- surfcom120A ver2.2 ---  
<ZEISS-TSK>

NO. = 1399  
COMMENT =  
DATE = 11-23-60  
TIME = 11:29:51

ROUGHNESS  
CUTOFF = 0.08 mm  
FILTER = 20R  
TILT COR = FLAT-ML  
LENGTH = 5.000 mm  
MEAS.-MAG = 2000  
POLARITY = POSITIVE

Ra = 0.44  $\mu\text{m}$   
Rmax = 5.31  $\mu\text{m}$   
Rz = 3.74  $\mu\text{m}$

ROUGHNESS CURVE  
H-MAG = 20  
V-MAG = 2000  
H-DIV = 500  $\mu\text{m}/10\text{mm}$   
V-DIV = 5  $\mu\text{m}/10\text{mm}$



# Lampiran III

## Report of Surface Roughness Tester

### 2 Cm Sealing

```
-- surfcom120A ver2.2 --
<ZEISS-TSK>
ID. = 1335
COMMENT =
DATE = 11.23.60
TIME = 3:43:24

ROUGHNESS
UTOFF = 0.08mm
FILTER = 2CR
ILT COR = FLAT-ML
LENGTH = 5.00mm
EAS.-MAG = 2000
POLARITY = POSITIVE

a = 0.88 μm
max = 7.96 μm
z = 5.45 μm

ROUGHNESS CURVE
-MAG = 20
-MAG = 2000
-DIV = 500μm/10mm
-DIV = 5μm/10mm
```



### 3 Cm Sealing

```
-- surfcom120A ver2.2 --
<ZEISS-TSK>
ID. = 1336
COMMENT =
DATE = 11.23.60
TIME = 3:45:16

ROUGHNESS
UTOFF = 0.08mm
FILTER = 2CR
ILT COR = FLAT-ML
LENGTH = 5.00mm
EAS.-MAG = 2000
POLARITY = POSITIVE

a = 0.60 μm
max = 6.10 μm
z = 4.46 μm

ROUGHNESS CURVE
-MAG = 20
-MAG = 2000
-DIV = 500μm/10mm
-DIV = 5μm/10mm
```



### 4 Cm Sealing

```
-- surfcom120A ver2.2 --
<ZEISS-TSK>
ID. = 1337
COMMENT =
DATE = 11.23.60
TIME = 3:46:24

ROUGHNESS
UTOFF = 0.08mm
FILTER = 2CR
ILT COR = FLAT-ML
LENGTH = 5.00mm
EAS.-MAG = 2000
POLARITY = POSITIVE

a = 0.60 μm
max = 5.64 μm
z = 4.18 μm

ROUGHNESS CURVE
-MAG = 20
-MAG = 2000
-DIV = 500μm/10mm
-DIV = 5μm/10mm
```



# TUGAS AKHIR PENGARUH JARAK ELEKTRODA PADA PROSES ANODIZING PADA BAHAN ALUMINIUM SERI 1XXX

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